SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: TubliCem Catalyst Paste

1.3. Details of the supplier of the safety data sheet

Company: Advanced Healthcare Ltd
Address: Units 2-4 Leavers Estate, Chiddingstone Causeway, Tonbridge, Kent, TN11 8JU, UK
Web: www.ahl.uk.com
Telephone: +44 (0) 1892 870500 (Use for Emergency also)
Fax: +44 (0) 1892 870482
Email: sales@ahl.uk.com

1.4. Emergency telephone number

Emergency telephone number: +44(0) 1892 870500
(8.00 am - 4.30 pm Mon - Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC

Xi; R43
Symbols:

Main hazards: May cause sensitisation by skin contact.

2.1.2. Classification - EC 1272/2008

Skin Sens. 1: H317; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms

Signal Word: Warning

Hazard Statement: Skin Sens. 1: H317 - May cause an allergic skin reaction.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary Statement: Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
TubliCem Catalyst Paste

2.2. Label elements

<table>
<thead>
<tr>
<th>Precautionary Statement</th>
<th>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Response</td>
<td>P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P388 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see on this label). P333+P331 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.</td>
</tr>
<tr>
<td>Disposal</td>
<td>P501 - Dispose of contents/container to</td>
</tr>
</tbody>
</table>

Further information

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
<th>M-factor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>97-53-0</td>
<td>202-589-1</td>
<td></td>
<td></td>
<td>10 - 20%</td>
<td>Xi; R36-43</td>
<td></td>
</tr>
</tbody>
</table>

EC 1272/2008

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
<th>M-factor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>97-53-0</td>
<td>202-589-1</td>
<td></td>
<td></td>
<td>10 - 20%</td>
<td>Acute Tox. 4: H302; Skin Sens. 1: H317; Eye Irrit. 2: H319;</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.

Eye contact
May cause irritation to eyes. Seek medical attention if irritation or symptoms persist. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

Skin contact
Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

Ingestion
DO NOT INDUCE VOMITING. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture
Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters
Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions
6.2. Environmental precautions

Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up

Clean spillage area thoroughly with plenty of water. Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in original container.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Eye / face protection

Safety glasses.

Skin protection - Handprotection

Chemical resistant gloves.

Respiratory protection

Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Fat Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductivity</td>
<td>No data available</td>
</tr>
<tr>
<td>Surface tension</td>
<td>No data available</td>
</tr>
<tr>
<td>Gas group</td>
<td>No data available</td>
</tr>
<tr>
<td>Benzene Content</td>
<td>No data available</td>
</tr>
<tr>
<td>Lead content</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC (Volatile organic compounds)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No data is available on this product.

#### 10.4. Conditions to avoid

Heat.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

No data is available on this product.

### 11. Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>
TubliCem Catalyst Paste

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause irritation to mucous membranes.</td>
</tr>
</tbody>
</table>

11.1.4. Toxicological Information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral Rat LD50</th>
<th>Daphnia EC50/48h</th>
<th>Fish LC50/96h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>1930 mg/kg</td>
<td>1.1300 mg/l</td>
<td>13.0000 mg/l</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Daphnia EC50/48h</th>
<th>Fish LC50/96h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>1.1300 mg/l</td>
<td>13.0000 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eugenol</td>
<td>No data available</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data available.

SECTION 13: Disposal considerations

General information

Dispose of as special waste in compliance with local and national regulations.

Disposal methods

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.
### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

### SECTION 16: Other information

#### Other information

**Text of risk phrases in Section 3**
- R36 - Irritating to eyes.
- R43 - May cause sensitisation by skin contact.

**Text of Hazard Statements in Section 3**
- Acute Tox. 4: H302 - Harmful if swallowed.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- Eye Irrit. 2: H319 - Causes serious eye irritation.

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.